FERRIS STATE UNIVERSITY

Ferris Graduate Survey Summary 2010-2015*

An overview of student satisfaction data

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Abstract

"Assessment is not a spreadsheet; it's a conversation." — Irmeli Halinen

Student satisfaction data from the Ferris post-graduation surveys were compared from the 2010/2011 to 2015/2016 academic years. Over this timespan, the number of student respondents has noticeably improved. The lowest return rate (17%) was obtained in 2010/2011 and the highest (27%) was collected in 2015/2016. The average number of responses was 826 per year for this interval.

Introduction

Methods

Data collection

All registration records for the fall of 2017 were collated and de-identified. The data file, 'registrations.csv', contains only the course name (e.g. BIOL 101), the core competency (e.g. Natural Sciences), and the stan-

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dardized measure (e.g. Selected Response Exam). The datafile is available here.

Data provenance

Data provenance refers to a system that permits tracking of the origin, movement, modification, and utilization of data sets (Buneman et al., 2001). The provenance of General Education data will be explicitly declared to facilitate the reproducibility and extensibility of these studies.

Location of public website files

All files related to this report can be found online at the Open Science Framework (Nosek, 2012). This site contains all of the files needed to reproduce this report from the de-identified data set. The site's url is https://osf.io/t6u8m/.

Session information

This report was written using RStudio (RStudio Team, 2015) and the R statistical programming language (R Core Team, 2013). These products are free to download for PC, Macintosh, and Linux operating systems. The following information pertains to the session parameters used to generate this report. If you have trouble reproducing this report, it may be due to different session parameters. You may contact Dr. Franklund if you need assistance.

R version 3.4.2 (2017-09-28)

Platform: x86_64-apple-darwin15.6.0 (64-bit)

locale: en_US.UTF-8||en_US.UTF-8||en_US.UTF-8||C||en_US.UTF-8||en_US.UTF-8

attached base packages: stats, graphics, grDevices, utils, datasets, methods and base

other attached packages: bindrcpp(v.0.2), pander(v.0.6.1), RColorBrewer(v.1.1-2), ggplot2(v.2.2.1), dplyr(v.0.7.4), plyr(v.1.8.4), tidyr(v.0.7.2) and readr(v.1.1.1)

loaded via a namespace (and not attached): Rcpp(v.0.12.14), rstudioapi(v.0.7), bindr(v.0.1), knitr(v.1.17), magrittr(v.1.5), hms(v.0.4.0), munsell(v.0.4.3), colorspace(v.1.3-2), R6(v.2.2.2), rlang(v.0.1.4), stringr(v.1.2.0), tools(v.3.4.2), grid(v.3.4.2), gtable(v.0.2.0), htmltools(v.0.3.6), lazyeval(v.0.2.1), yaml(v.2.1.14), rprojroot(v.1.2), digest(v.0.6.12), assertthat(v.0.2.0), tibble(v.1.3.4), bookdown(v.0.5), purrr(v.0.2.4), glue(v.1.2.0), evaluate(v.0.10.1), rmarkdown(v.1.8), stringi(v.1.1.6), compiler(v.3.4.2), scales(v.0.5.0), backports(v.1.1.1) and pkgconfig(v.2.0.1)

Processing instructions

This project produced a computationally reproducible assessment report (this document). Anyone wishing to recreate this report from the source document will need to install the following on their computer:

1. An installation of the R programming language
2. An installation of the RStudio IDE
3. An installation of LaTeX

The necessary source files include the de-identified data set (BIOL200Data.csv), Rmarkdown code files (index.Rmd, 01-Introduction.Rmd, 02-Methods.Rmd, 03-Results.Rmd, 04-Discussion.Rmd, and 05-References.Rmd), bibtex reference file (references.bib), and custom art file in the /art folder.

To process the files, you must first open the project in RStudio. Click on the "Build Book" button in the Build menu. Bookdown allows you to build this project as git_book (html site), pdf_book (via LaTeX), or epub_book (compatible with iBooks and other e-book readers).

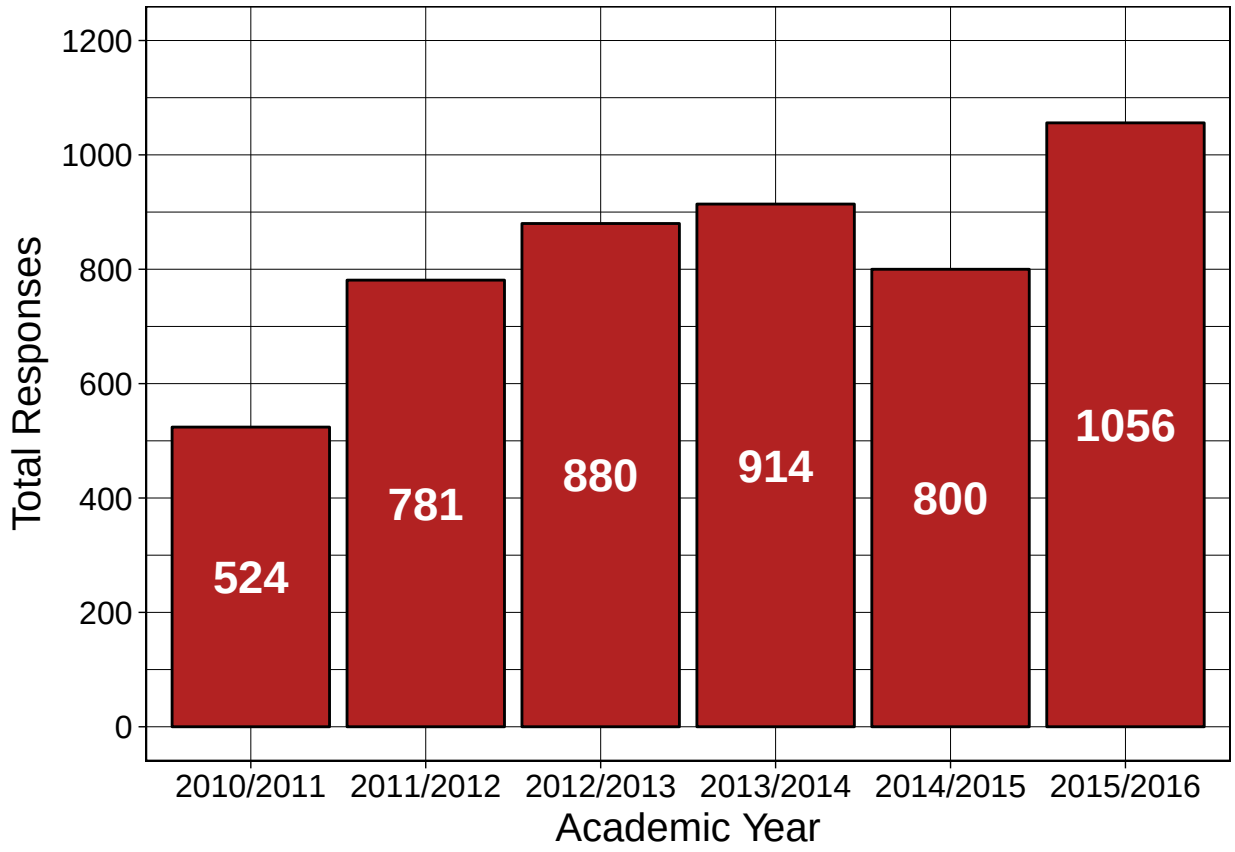

Figure 1: Total number of student survey responses per academic year

Citation of this work

All of the de-identified data, analysis code, and documentation that constitute this report project may be freely used, modified, and shared. The de-identified data set, BIOL200Data.csv, is released under the Creative Commons CC0 license. All documentation, including README.md, Codebook.md, and this report, are released under the Creative Commons CC-BY licence. Any questions, comments, or suggestions may be sent to Dr. Franklund.

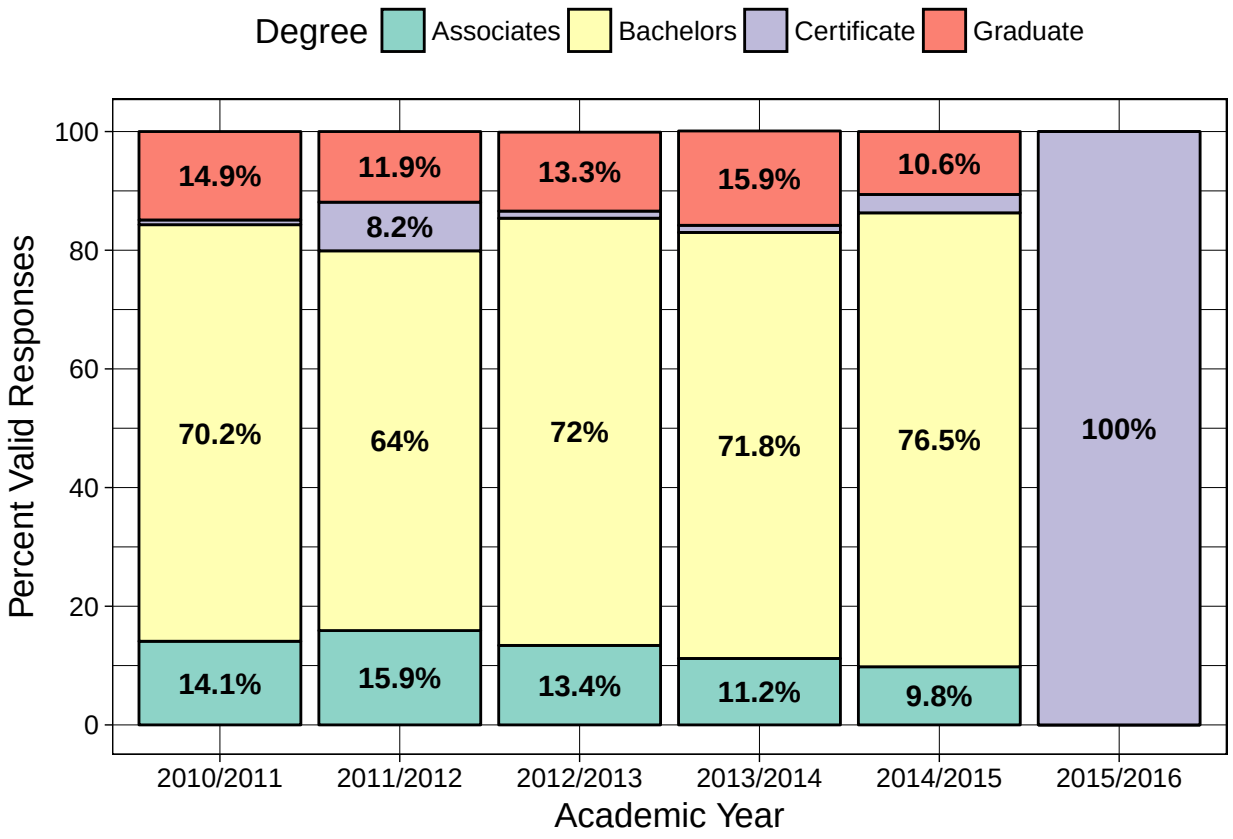

Figure 2: Percent of student survey responses by degree earned per academic year

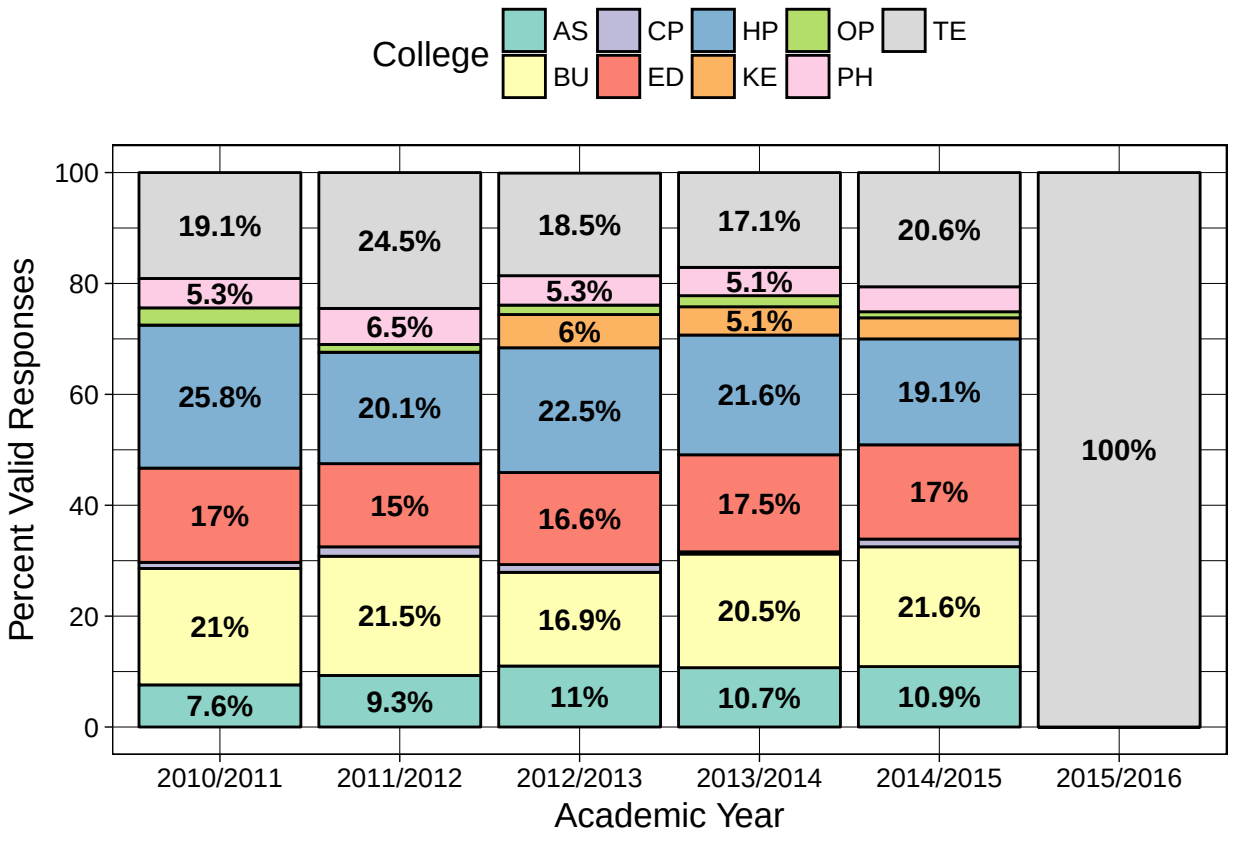

Figure 3: Percent of student survey responses by academic college per academic year

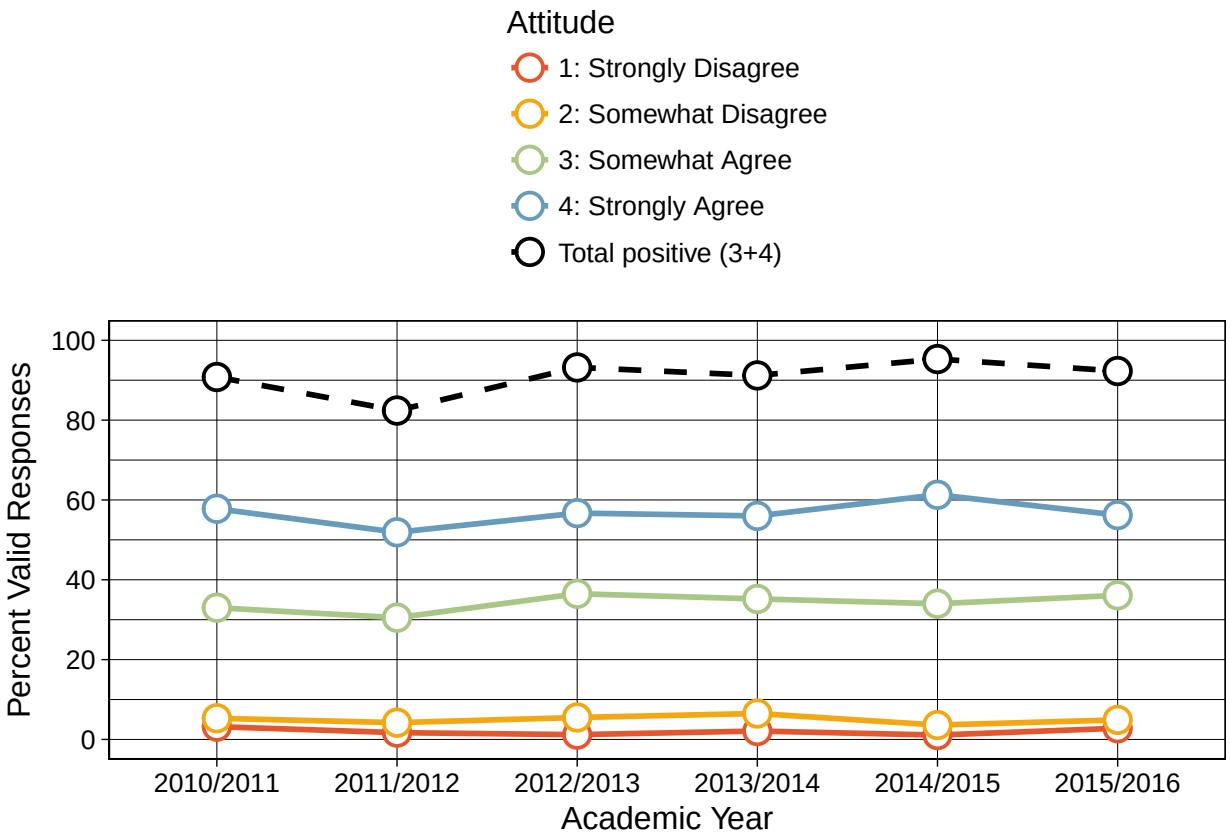

Figure 4: I am satisfied with the quality of education that I received at FSU/KCAD.

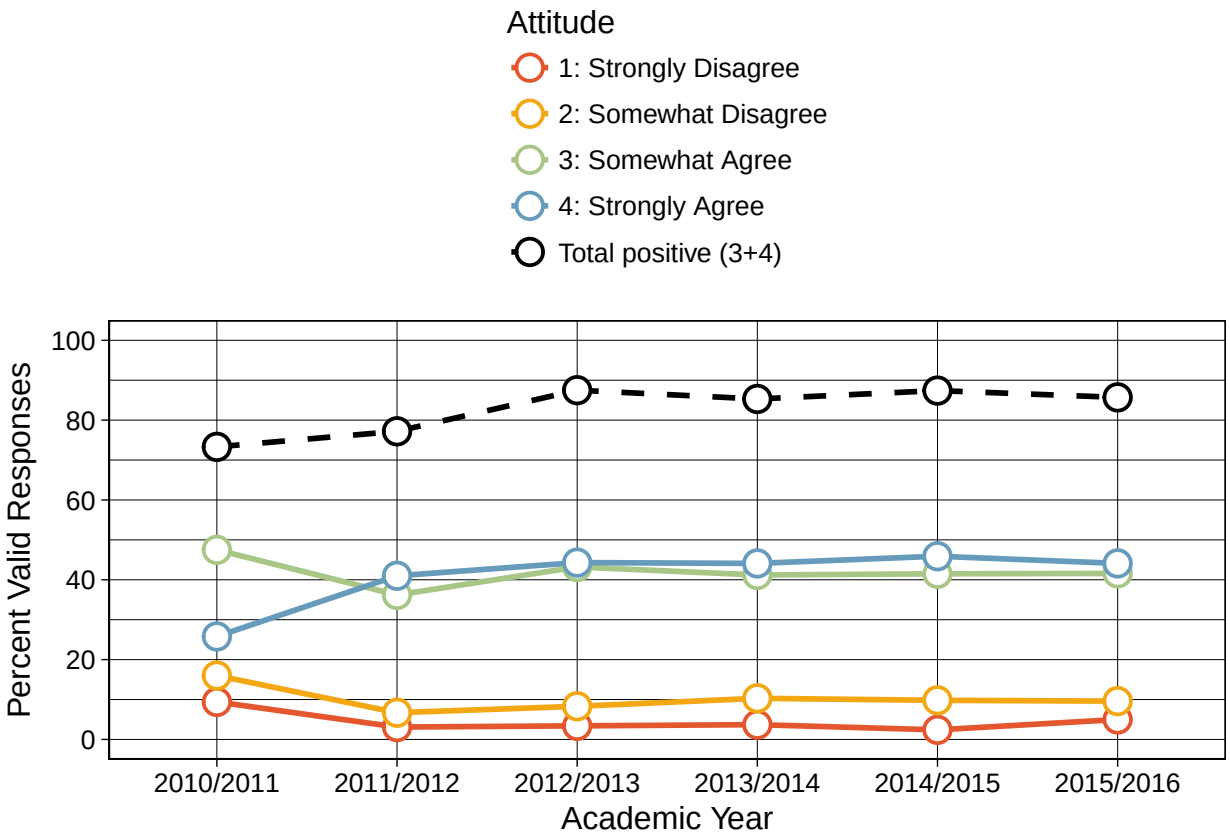

Figure 5: FSU/KCAD prepared me well for employment.

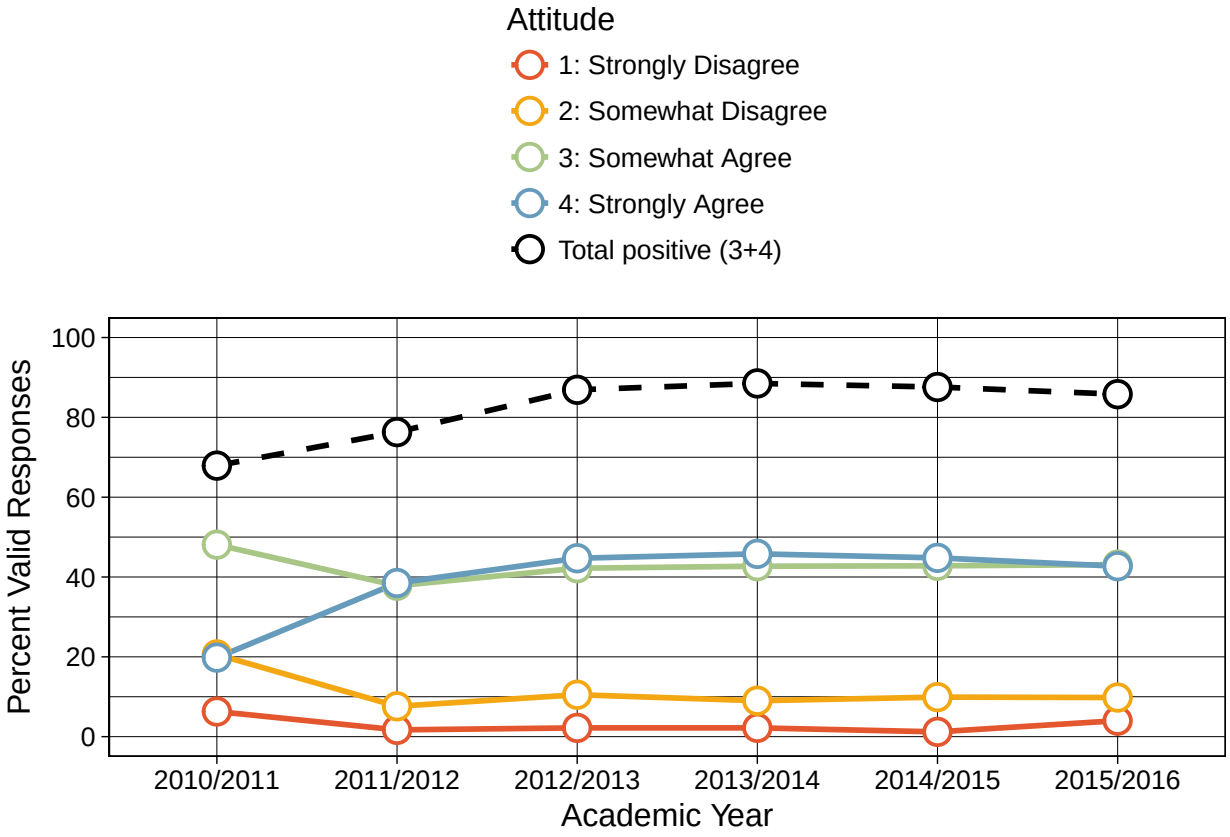

Figure 6: FSU/KCAD prepared me well for continuing my education.

Results and Discussion

Response rate by year

Response rate by degree earned

Response rate by college

Overall satisfaction ratings

Preparation for employment

Preparation for continuing education

Good value for the money

Recommendation of Ferris/KCAD

Would choose FSU/KCAD again

Would choose the same program again

References

Buneman, P., Khanna, S., and Wang-Chiew, T. (2001). Why and Where: A Characterization of Data Provenance, pages 316–330. Springer Berlin Heidelberg, Berlin, Heidelberg.

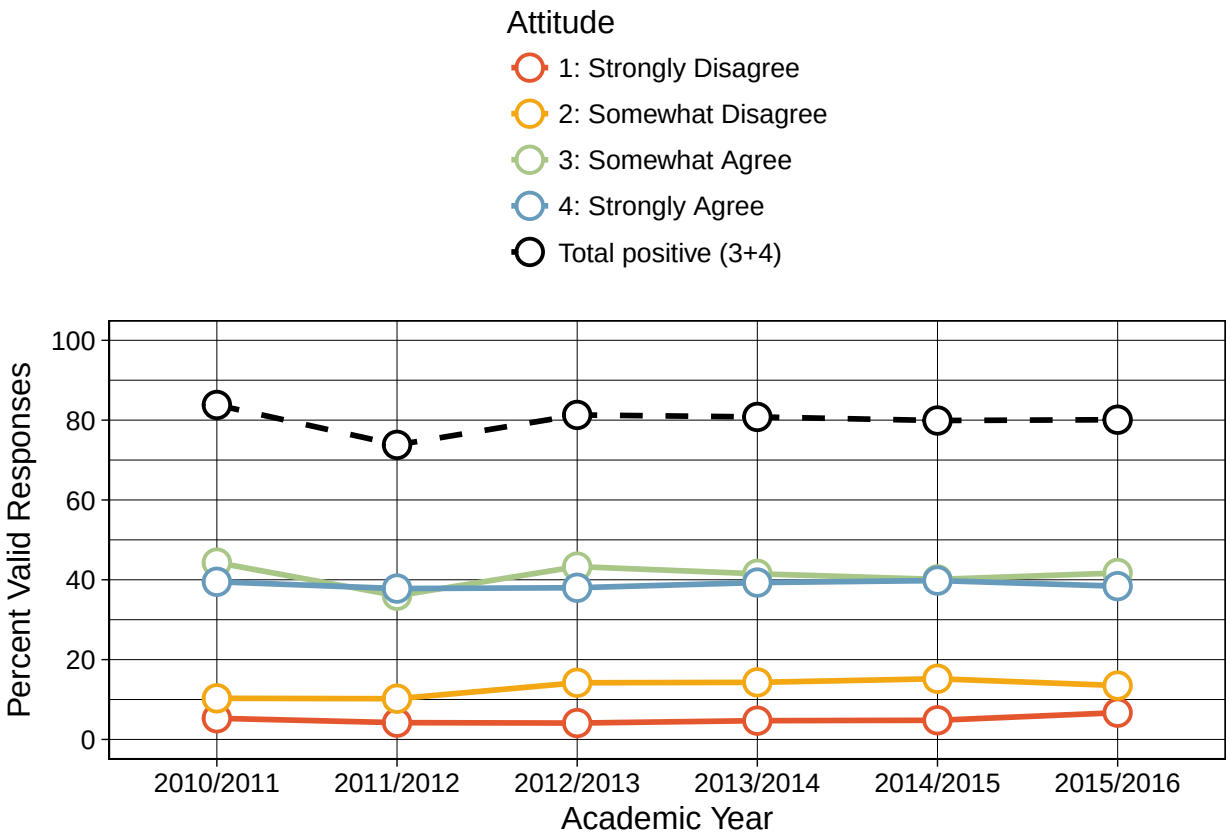

Figure 7: FSU/KCAD was a good value for my money.

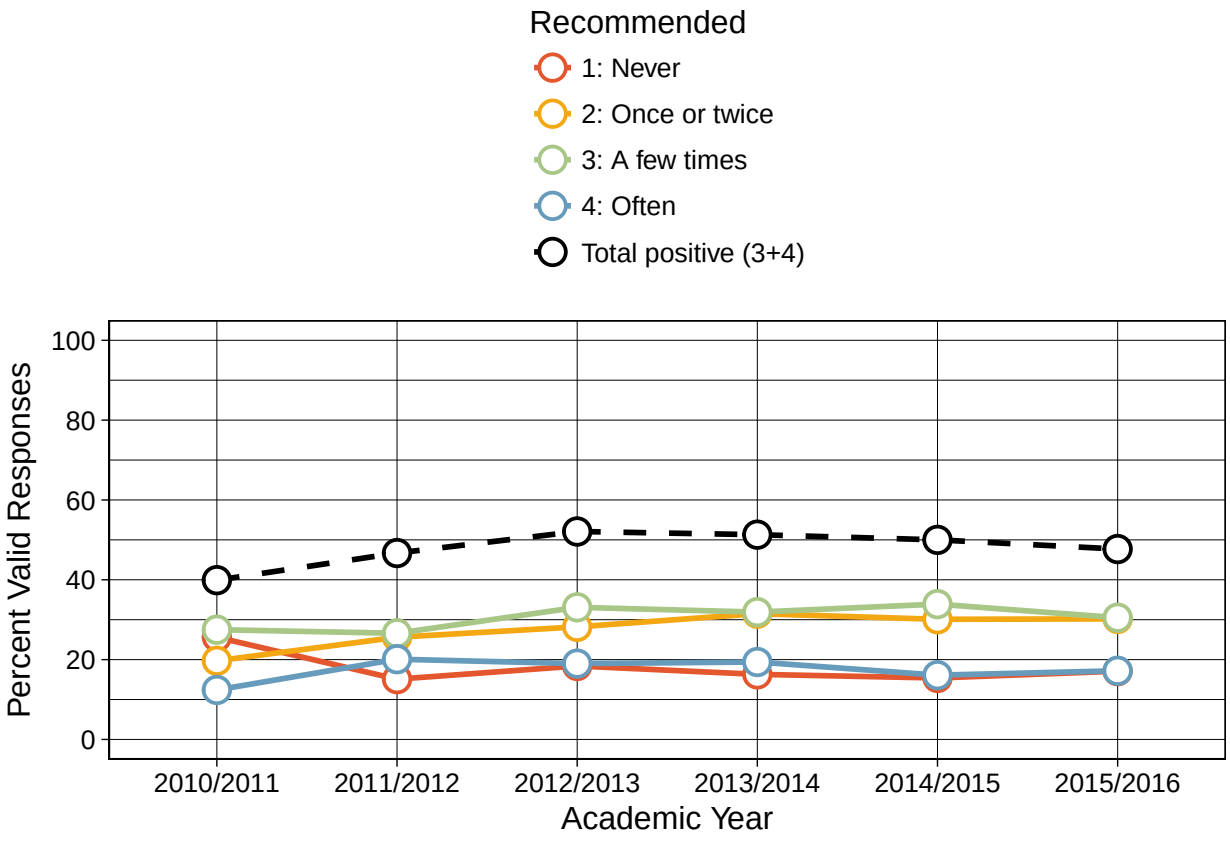

Figure 8: Since graduating, how often have you recommended FSU/KCAD to prospective students?

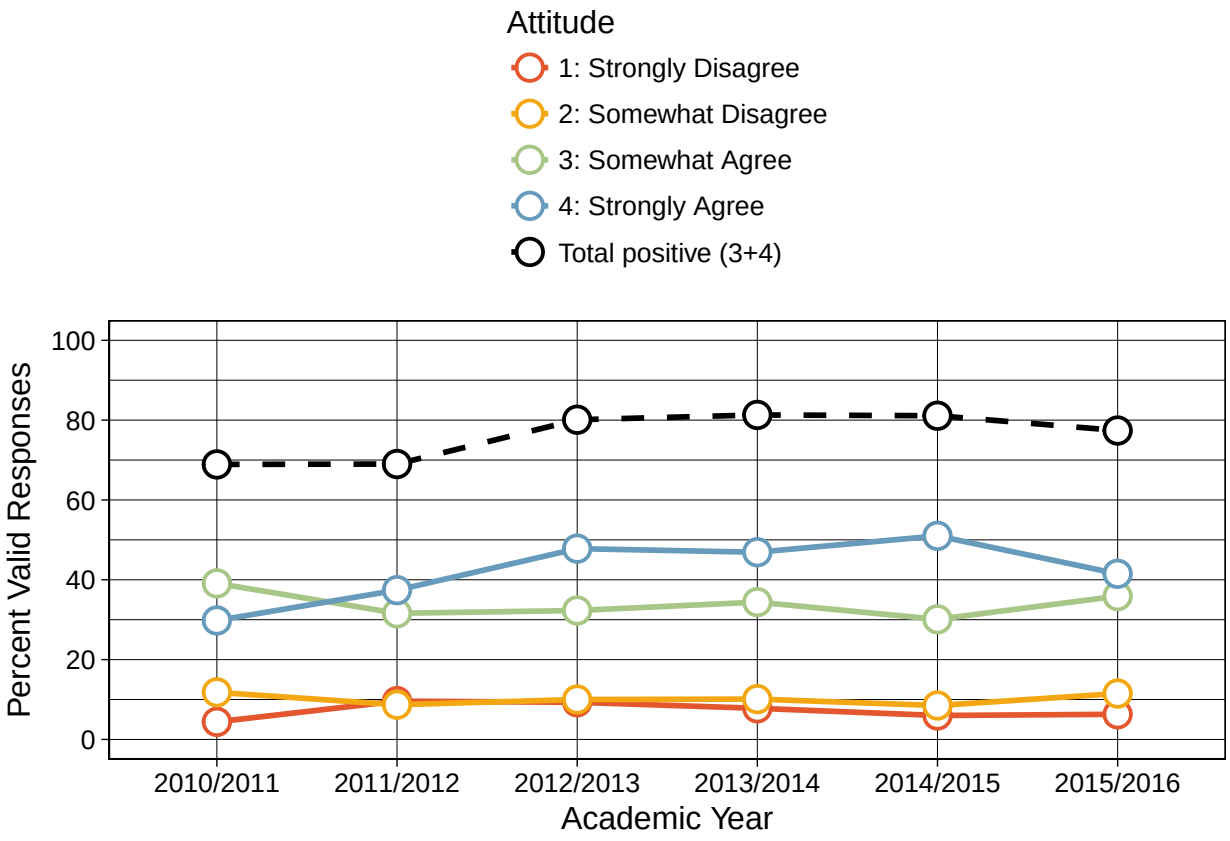

Figure 9: If I had the opportunity to start college over, I would still choose to attend FSU/KCAD.

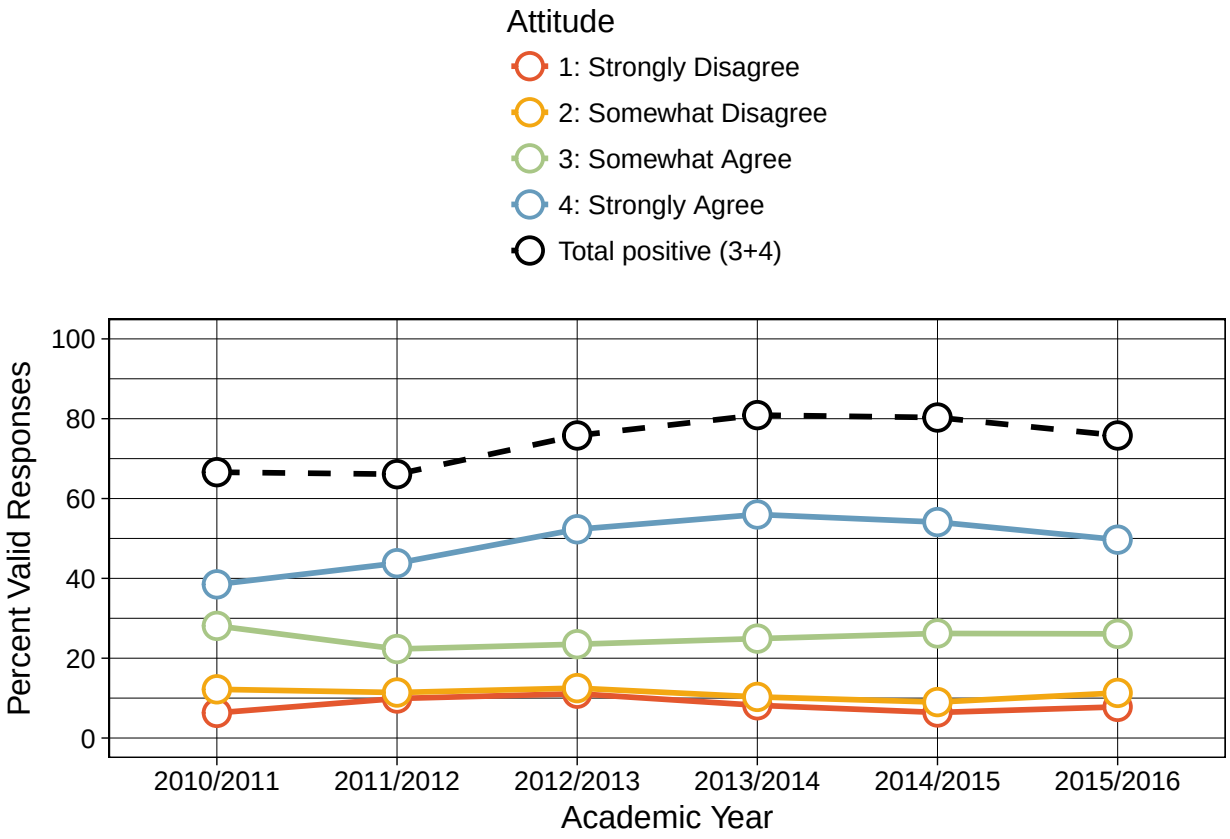

Figure 10: If I had the opportunity to start college over, I would still choose the same program of study.

Nosek, B. (2012). An Open, Large-Scale, Collaborative Effort to Estimate the Reproducibility of Psychological Science. Perspect. Psychol. Sci., 7(6):657–660.

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